

Title (en)
Conduit connector and method

Title (de)
Rohrkupplung und Verfahren

Title (fr)
Connecteur de conduit et procédé

Publication
EP 1363060 A2 20031119 (EN)

Application
EP 03018818 A 19971003

Priority

- EP 97945472 A 19971003
- US 2756196 P 19961007

Abstract (en)
A conduit connection joint is formed to connect a tube (10, 56) and a fitting body (12, 58, 78, 90, 106, 116, 154, 174, 192, 212) in fluid tight relation. The joint is made by axially compressing the tube in a bore (14, 60) in the fitting body so as to cause formation of a first bead (52, 64) in a bead formation area. Further axial compression of the tube causes the sequential formation of additional beads (54, 66, 68) in the bore so as to provide engagement between the tube and the fitting body. The engagement of the fitting body and the tube may be further strengthened by axially compressing and radially expanding the beads. This is accomplished by an annular tool face (46, 186) which axially compresses and radially expands the beads. A retaining ridge (188) may be formed in the fitting body to further hold the fitting body and tube in engaged relation. <IMAGE>

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F16L 13/14; B21D 39/04

IPC 8 full level
F16L 13/14 (2006.01)

CPC (source: EP)
B21D 17/025 (2013.01); **B21D 39/046** (2013.01); **B21K 25/00** (2013.01); **F16L 13/142** (2013.01); **F16L 13/147** (2013.01)

Citation (applicant)

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